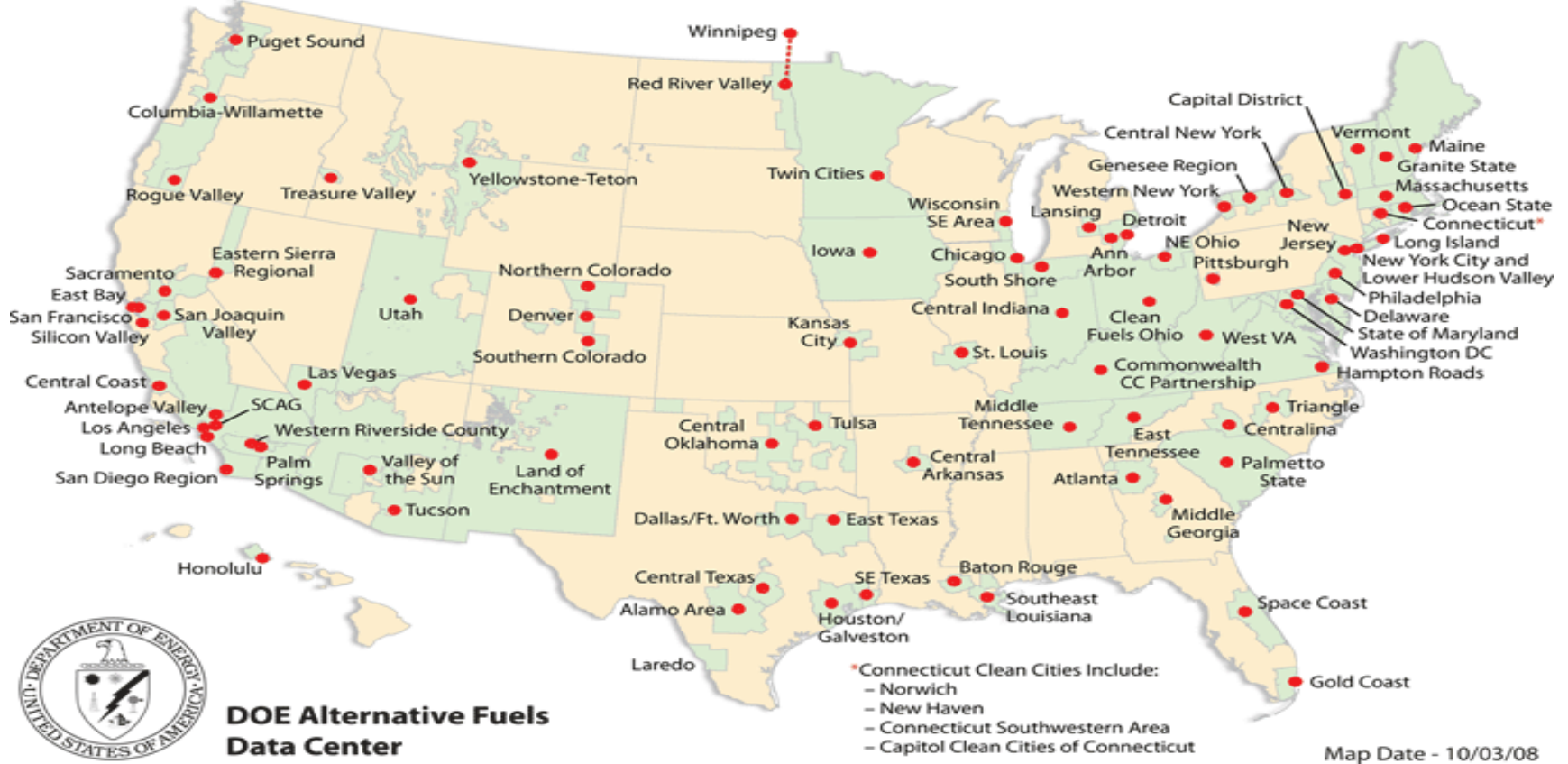




Clean Transportation Program

Designated by the U.S. D.O.E. as a Clean Cities Coalition in 1999



The mission of Clean Cities is to advance the energy, economic, and environmental security of the United States by supporting local decisions to adopt solutions that reduce the use of petroleum in the transportation sector.



Clean Transportation Program

A member and stakeholder based program- **we are here to serve you!**

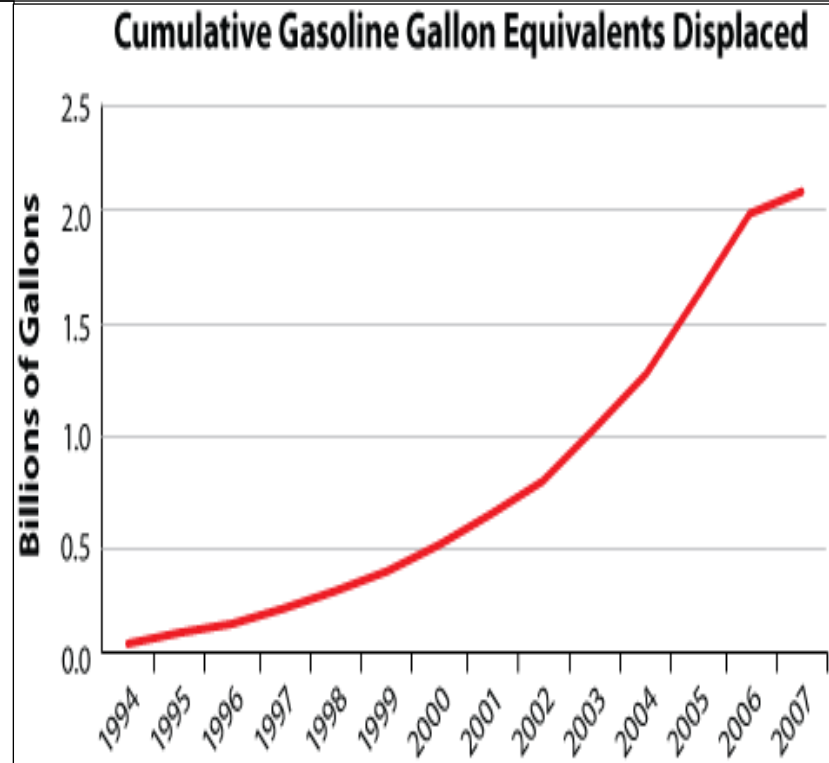


Our role is to be educators & advocates for petroleum reduction. We frame potential solutions into 3 categories:

FUELS: engine plug & play;
infrastructure dependent

PRACTICES: changing behaviors;
lasting low-cost change

TECHNOLOGIES: engine
modification/replacement;
infrastructure independent



Clean Transportation Practices

CALCULATED Savings from Idle Reduction

Annual Cost for HD Vehicles =
fuel cost (\$/gal) * annual idling (hrs) * fuel use (gal/hr)

Fuel cost = \$2.00/gal

Annual idling = 1200 hours (260 operating days*4.6hrs/day)

Fuel consumption for typical HD truck at low idle = 0.82 gal/hr

Annual Cost of Idling = \$2.00*1200 hrs*0.82gal/hr = \$1,968.00

Annual Cost of Idling = \$4.00*1200 hrs*0.82gal/hr = \$3,936.00

PRACTICE BASED SOLUTION

Annual idling w/ Model Policy = 325 hours (260 operating days*75 min [7.5min/hour])

Annual cost w/ Model Policy = \$2.00 * 325 hrs * 0.82gal/hr = \$533.00

Annual cost w/ Model Policy = \$4.00 * 325 hrs * 0.82gal/hr = \$1,066.00

TECHNOLOGY BASED SOLUTION

Fuel consumption for direct fire heater = 0.22 gal/hr

Fuel savings for truck using an direct fire heater (APU) = 0.6 gal/hr

Annual cost w/ APU = \$2.00 * 1200hrs * 0.22 gal/hr = \$528.00

Annual cost w/ APU = \$4.00 * 1200hrs * 0.22gal/hr = \$1,056.00

Clean Transportation Practices

CALCULATED Savings from Idle Reduction

Annual Cost for light duty vehicles=
fuel cost (\$/gal) * annual idling (hrs) * fuel use (gal/hr)

Fuel cost = \$2.00/gal

Annual idling = 589 (260 operating days *17 min/hour)

Fuel consumption for typical light duty vehicle = 0.4 gal/hr

Annual Cost of Idling = \$2.00*589 hrs*0.4gal/hr = \$471.00

Annual Cost of Idling = \$4.00*589 hrs*0.4gal/hr = \$942.00

PRACTICE BASED SOLUTION

Annual idling w/ Model Policy = 260 hours (260 operating days*60min [7.5min/hour])

Annual cost w/ Model Policy = \$2.00 * 260 hrs * 0.4gal/hr = \$208.00

Annual cost w/ Model Policy = \$4.00 * 260 hrs * 0.4gal/hr = \$416.00



Earth Day Coalition's Clean Transportation Program



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let us help you green your fleet - become a member today!